CERTIFIED TECHNICIANS QUALIFICATIONS

Tests and Procedures the Certified Technician is qualified to perform for each Level of Certification.

LEVEL I AGGREGATE

I.M. 204 – Inspection of Construction Projects Sampling and Testing (when material is incorporated)
I.M. 209 Appendix C – Aggregate Specification Limits and Sampling and Testing Guide (when material is produced)
I.M. 301 – Aggregate Sampling Methods

LEVEL II AGGREGATE

I.M. 216 - Guidelines for Verifying Certified Test Results
I.M. 302 – Method of Test Sieve Analysis of Aggregates
I.M. 306 – Method of Test to Determine the Amount of Materials Finer Than the #200 Sieve in Aggregate
I.M. 307 – Method of Test Specific Gravity of Aggregates
I.M. 308 – Method of Test Determination of Free Moisture and Absorption of Aggregates
I.M. 336 – Methods of Reducing Aggregate Field Samples to Test Samples
I.M. 344 – Method of Test for Determination of the Amount of Shale in Fine Aggregate
I.M. 345 – Method of Test for Determination of the Amount of Shale in Coarse Aggregate

LEVEL I PCC

I.M. 204 – Inspection of Construction Projects Sampling and Testing
I.M. 208 – Materials Laboratory Qualification Program
I.M. 216 - Guidelines for Verifying Certified Test Results
I.M. 315 – Making and Testing Concrete Cylinders
I.M. 316 – Flexural Strength of Concrete
I.M. 317 – Slump of Portland Cement Concrete
I.M. 318 – Air Content of Mixed Concrete by Pressure
I.M. 327 – Sampling Concrete for Slump, Air, and Strength
I.M. 328 – Making, Protecting, and Curing Concrete Flexural Specimens
I.M. 340 – Weight Per Cubic Foot, Yield, and Air Content of Concrete
I.M. 383 – Testing the Strength of PCC Using the Maturity Method
I.M. 385 – Temperature of Freshly Mixed Concrete
I.M. 525 – Method of Designing Flowable Mortar
Iowa 410-B – Method of Test for Flow of Grout Mixtures
AASHTO T 97 – Third Point Loading

LEVEL II PCC

I.M. 527 – Paving Plant Inspection
I.M. 528 – Structural Concrete Plant Inspection
I.M. 529 – P.C. Concrete Proportions

LEVEL III PCC

I.M. 530 – Quality Management and Acceptance of PC Concrete Pavement
I.M. 531 – Test Method, Combining Aggregate Gradations
I.M. 532 – Aggregate Proportioning Guide for Portland Cement Concrete Pavement

LEVEL I HMA

I.M. 204 – Inspection of Construction Projects Sampling and Testing
I.M. 208 – Materials Laboratory Qualification Program
I.M. 216 - Guidelines for Verifying Certified Test Results
I.M. 320 – Method of Sampling Compacted Pavement Layers
I.M. 321 – Method of Test for Compacted Density of Asphaltic Concrete (Displacement Method)
I.M. 322 – Methods of Sampling Uncompacted Asphaltic Concrete
I.M. 323 – Method of Sampling Asphaltic Materials
I.M. 325 – Compacting Asphalt Concrete by the Marshall Method
I.M. 325G – Method of Test for Determining the Density of Hot Mix Asphalt by Means of the Superpave Gyratory Compactor
I.M. 337 – Determining Thickness of Completed Courses of Base, Sub-base, and Asphaltic Concrete
I.M. 350 – Maximum Specific Gravity of Asphaltic Paving Mixtures Field Procedure for Central Laboratory Test Method
I.M. 357 – Method of Preparation of Bituminous Mix Samples for Test Specimens
I.M. 501 – Asphaltic Terminology, Equations, and Example Calculations
I.M. 508 – Asphaltic Concrete Plant Inspection
I.M. 509 – Tank Measurement and Asphalt Cement Content Determination
I.M. 511 – Control of Asphaltic Concrete Mixtures
I.M. 514 – Verification of Field Density for Asphalt Concrete Paving

LEVEL II HMA

I.M. 380 – Method of Test for Vacuum Saturated Specific Gravity and Absorption of Combined or Individual Aggregate Sources
I.M. 510 – Method of Design of Asphaltic Concrete Mixes
AASHTO T 176 – Plastic Fines in Graded Aggregate and Soils by use of the Sand Equivalent Test
AASHTO T 304 – Uncompacted Void Content of Fine Aggregate

ASTM D 4791 – Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate

PROFILOGRAPH

I.M. 341 – Method of Test Determining Pavement Profiles with the 25 Foot Profilograph

PRESTRESS

I.M. 570 – Inspection and Acceptance Precast and Prestressed Concrete Bridge Units